

INTERDESIGN

Interdesign, Inc.

I. INTRODUCTION

The APPLE LOADER is a tool used to aid in transporting software between APPLE & COMMODORE. Only micro basic words supported by both manufacturers will successfully transfer. This is not to say you cannot transfer certain words and, as will see, intrinsic APPLE basic is listable on COMMODORE but not executable.

II. INSTALLATION

1. Turn power off on both machines.
2. Remove lid from APPLE and install card in slot 2 with INTERDESIGN logo closest to keyboard. Replace lid.
3. Insert edge connector with black down to COMMODORE user port. For series 4032, 8032, & sp9000 use middle port. For Vic20(TM) & C64(TM) use right port (while facing rear).

III. OPERATION

1. A small piece of code is needed in each machine to make transferring possible. There are two basic programs supplied, that when executed write their own machine level program.
2. After you 'run' both programs type in 'new' on both machines.
3. Load basic program to be transferred in APPLE.
4. Type in 'call 9*4096' on APPLE (The transmitter is always initiated first).
5. Type in 'sys 7*4096' on COMMODORE and watch process in action. If program not present on both screens, repeat instructions.

Note: Lines over 80 characters must be hand edited.

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COMMODORE is a registered trademark of COMMODORE Business Machines, Inc.

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100 home
110 text:inverse
120 rem **** apple transfer ****
150 rem *** appodore ***
160 rem *****
170 ch=44838
500 print"loading program into ram":print
510 normal:print"please wait .....
600 fori=0to331:readd:poke36864+i,d:dc=dc+d:next
700 data169,255,141,163,192,169,1,133,0,169,8,133,1,160,0,177
710 data0,133,121,200,177,0,133,122,200,177,0,133,117,200,177
720 data0,133,118,200,132,2,208,48,162,0,189,0,1,240,11
730 data157,0,3,169,0,157,0,1,232,208,240,164,2,177,0,240,26,201
740 data127,176,7,157,0,3,232,200,208,241,200,132,2,134,237,208
750 data10,208,230,240,184,208,182,208,96,240,102,170,160,207
760 data132,157,160,208,132,158,160,0,10,240,15,202,16,12,230,157
770 data208,2,230,158,177,157,16,246,48,241,160,0,166,237
780 data202,232,200,177,157,157,0,3,48,2,208,245,233,128
790 data157,0,3,232,134,237,208,167,208,147,240,189,208,187
800 data160,0,185,56,113,73,128,32,240,253,200,192,12,208,243,169
810 data7,141,161,192,169,224,141,172,192,169,192,141,172,192
820 data76,58,255,208,98,208,213,208,213,240,211,72,200,200
830 data177,0,240,3,104,240,3,104,169,7,157,0,3,134,237,162
840 data0,189,0,3,73,128,32,240,253,232,228,237,144,243,169,13
850 data73,128,32,240,253,160,255,200,185,0,3,141,161,192
860 data72,169,224,141,172,192,169,192,141,172,192,173,173,192
870 data41,2,240,249,104,201,7,240,143,201,0,208,222,165,122,240
880 data135,133,1,165,121,133,0,208,164,240,162,208,158,162,0,189
890 data68,113,240,8,73,128,32,240,253,232,208,243,32,32
900 data237,169,13,73,128,32,240,253,208,227,74,79,66,32
910 data67,79,77,80,76,69,84,69,76,73,78,69,32,35,32,0
999 home
1000 ifch=dc then print"check sum o.k. !!":goto1200
1100 inverse:print"checksum error ":normal:print"data = "dc
1150 inverse:print"should be ";:normal:printch:stop
1200 print"type 'new' then <return>"
1205 inverse:print"if this program has been saved"
1210 normal:print"load program to be transfered to cbm"
1220 print"make sure the interface card is in slot # 2 "
1230 print"and the other end is connected to the user port on the cbm"
1250 print"type 'call 9*4096' then <return>"
1260 print"type sys7*4096 then <return> on the cbm"
1270 print"and watch 'um go !!!"
ready.

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10 rem *****      cbm loader      *****
20 rem ***   (c)   appodore          ***
30 rem *****
40 rem for cbm 4.0 65xx series computers
50 print"3"tab(25)" loading program into ram "
60 print:printtab(25)"      please wait ..... ":check sum = 23664
70 fori=0to178:readd:poke28672+i,d:dc=dc+d:next :rem 28672 = 7*4096
80 data 169,0,141,67,232,169,76,133,121,169,106,133,122,169,112,133
90 data 123,169,0,133,52,169,112,133,53,162,0,173,65,232,157,111
100 data 2,72,169,224,141,76,232,169,192,141,76,232,173,77,232,41
110 data 2,72,32,225,255,104,240,244,232,104,201,7,240,29,201,0
120 data 208,217,169,13,157,111,2,232,160,0,185,173,112,157,111,2
130 data 232,200,192,2,208,244,134,158,76,6,180,157,111,2,232,169
140 data 13,157,111,2,232,134,158,76,6,180,201,160,240,35,201,75
150 data 240,3,76,162,211,72,152,72,160,1,177,119,217,175,112,208
160 data 10,200,192,3,208,244,217,175,112,240,9,104,168,104,76,162
170 data 211,76,25,112,169,201,133,121,169,58,133,122,169,176,133
180 data 123,104,104,230,119,230,119,230,119,230,119,76,162,211,160
190 data 13,75,73,76,76
200 ifch=dcthenprint"3check sum 2 o.k. !!":goto220
210 print"check sum error 2 data =" dc:print"should be " ch:stop
220 print:print"Type 'new' then <RETURN> ,if this program has been saved"
230 print"After the Apple Transfer Program is running
240 print"Type 'sys 7*4096' <RETURN>
250 print"The Apple program should start listing onto both screens
260 print"Note ... Before attempting to do any editing
270 print"Type 'kill' then <RETURN> to kill the A-C special editor
280 print"Have fun !!!!!!!
ready.

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10 rem ***** 64 loader *****
20 rem ***** (c) appodore *****
30 rem *****
40 rem for model 64 cbm computers
50 print"3"tab(7)" loading program into ram "
60 print:printtab(7)"      please wait ..... ":check sum = 46020
70 poke53281,1: rem white screen
80 fori=0to336:readd:poke28672+i,d:dc=dc+d:next:rem 28672 = 7*4096
90 data 169,0,141,3,221,169,76,133,124,169,149,133,125,169,112,133
100 data 126,169,0,133,55,169,112,133,56,169,81,133,251,169,113,133
110 data 252,160,0,169,0,145,251,200,208,251,169,13,32,210,255,162
120 data 0,173,1,221,157,80,114,72,169,151,141,0,221,169,147,141,0
130 data 221,173,13,221,41,16,72,32,225,255,104,240,244,232,104
140 data 201,7,208,8,169,0,202,157,80,114,208,32,201,0,208
150 data 209,32,226,112,162,1,169,13,157,118,2,232,160,0,185
160 data 71,113,157,118,2,232,200,192,2,208,244,134,198,96,32
170 data 226,112,162,1,169,13,157,118,2,232,169,17,157,118,2
180 data 232,169,13,157,118,2,134,198,96,201,160,240,49,201,75
190 data 240,7,201,68,240,3,76,171,227,72,152,72,160,0,177
200 data 122,217,77,113,240,5,217,73,113,208,15,200,192,4,208
210 data 239,217,76,113,240,110,217,72,113,240,9,104,168,104,76
220 data 171,227,76,42,112,169,153,133,125,169,112,133,126,104,104
230 data 230,122,230,122,230,122,230,122,76,171,227,224,78,144,32
240 data 160,0,162,0,189,80,114,201,58,176,11,145,251,230,251,208,2
250 data 230,252,232,208,238,169,0,145,251,230,251,208,2,230,252
260 data 160,0,169,145,32,210,255,185,80,114,240,8,32,210,255,200
270 data 192,78,208,243,192,39,144,5,169,145,32,210,255,169
280 data 145,32,210,255,169,145,76,210,255,160,0,185,81,113,240,6
290 data 32,210,255,200,208,245,169,13,32,210,255,200,185,81,113
300 data 240,144,208,232,160,13,75,73,76,76,68,85,77,80
310 ifch=dc then print"3check sum 2 o.k. !!":goto330
320 print"check sum error 2 data =" dc:print"should be " ch:stop
330 print:print"Type 'new' then <RETURN>"
340 print"if this program has been saved":print
350 print"After the Apple Transfer Program":print"is running
360 print"Type 'sys 7*4096' <RETURN>"
370 print"The Apple program should start listing":print"onto both screens
380 print"Note ... Before attempting to do any":print"editing ...
390 print"Type 'kill' then <RETURN> to kill the":print"A-C special editor
400 print"Have fun !!!!!!!
ready.

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